

CLAIMS

What is claimed is:

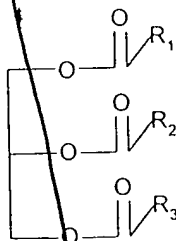
5 1. A biologically active conjugated linoleic acid composition comprising:
a mixture of free fatty acid conjugated linoleic acid isomers, said mixture containing at least
approximately 30% t10,c12 octadecadienoic acid, at least approximately 30% c9,t11
octadecadienoic acid, and about less than 1% total of 8,10 octadecadienoic acid, 11,13
octadecadienoic and trans-trans octadecadienoic acid.

10 2. The composition of claim 1, further comprising a food product incorporating
said conjugated linoleic acid composition.

3. The composition of claim 2, wherein said food product is for human
consumption.

4. The composition of claim 2, wherein said food product is a feed formulated for
animal consumption.

5. A biologically active acylglycerol composition comprising a plurality of acylglycerol molecules of the structure:



wherein R_1 , R_2 , and R_3 are selected from the group consisting of a hydroxyl group and an octadecadienoic acid, said composition characterized in containing at least approximately 30% t10,c12 octadecadienoic acid, at least approximately 30% c9,t11 octadecadienoic acid, and about less than 1% total of 8,10 octadecadienoic acid, 11,13 octadecadienoic and trans-trans octadecadienoic acid at positions R_1 , R_2 , and R_3 .

6. The composition of claim 5, further comprising a food product incorporating said acylglycerol composition.

7. The composition of claim 6, wherein said food product is for human consumption.

8. The composition of claim 6, wherein said food product is a feed formulated for animal consumption.

9. A biologically active conjugated linoleic acid composition comprising: a mixture of esters of conjugated linoleic acid isomers, said mixture containing at least approximately 30% t10,c12 octadecadienoic acid, at least approximately 30% c9,t11 octadecadienoic acid, and about less than 1% total of 8,10 octadecadienoic acid, 11,13 octadecadienoic and trans-trans octadecadienoic acid.

10. The composition of claim 9, further comprising a food product incorporating said conjugated linoleic acid composition.

5 11. The composition of claim 10, wherein said food product is for human consumption.

12. The composition of claim 10, wherein said food product is a feed formulated for animal consumption.

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